



4988900/0010

**Supplemental Information Disclosure Citation**

Applicants: Thomas P. Abbott et al.

Application No.: 10/633,252

Title: 3-Methoxybenzyl Thiourea  
Derivatives and Improved Lipid  
Compositions Containing Same

Filed: August 1, 2003

Group Art Unit: 1621

Examiner:

**1. Foreign Patent Documents**

Examiner Initial	Country	Document Number	Publication Number	Publication Date
	PCT	PCT/DK 97/00324	WO 98/05294	2/12/98

**2. Other Documents**

Examiner Initials	Author	Title, Publication, Relevant Pages, Date and Place of Publication
	Nadia Leonetta et al.	"Proprieta E Applicazioni Cosmetiche Di Un Nuovo Ingrediente Vegetale Dalle Caratteristiche Multifunzionali," Cosmetic News 117, 406-411 (1997).

Examiner's Name:

Examiner's Signature:

Date Considered:

  
  
5/15/05, 2005

# Information Disclosure Citation

4988900/0010

Applicants: Thomas P. Abbott et al.

Application No.:

Title: 3-Methoxybenzyl Thiourea  
Derivatives and Improved Lipid  
Compositions Containing Same

Filed: Simultaneously  
Herewith

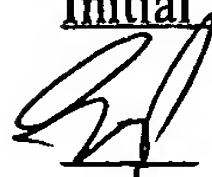

Group Art Unit:

1621

Examiner:

E. J. RICE

## 1. U.S. Patent Documents





Examiner Initial	Patent Number	Issue Date	Name	Class	Subclass	Filing Date
	2,154,341	4/11/39	Martin et al.	37	16	3/23/36
	2,662,096	12/8/53	Huebner et al.	260	552	7/20/51
	3,483,296	12/9/69	Martin et al.	424	322	3/22/66
	3,743,736	7/3/73	Porter et al.	424	267	6/23/71
	3,852,348	12/3/74	Teach	260	553	3/12/73
	3,949,089	4/6/76	Maxwell et al.	424	326	1/14/74
	3,991,008	9/11/76	Temin et al.	260	42.15	8/12/74
	4,925,581	5/15/90	Erickson et al.	252	48.2	7/19/88
	5,079,304	1/7/92	DeMarco	525	329.8	12/18/89
	5,262,072	11/16/93	Camenzind et al.	252	32.7	6/24/91
	5,441,984	8/15/95	Heath et al.	514	595	11/14/94
	5,434,283	7/18/95	Wang et al.	554	224	8/31/94
	5,747,528	5/5/98	Kakidas	514	456	1/24/97
	6,013,818	1/11/00	O'Lenick, Jr.	554	224	8/3/98
	6,136,330	10/24/00	Soliman et al.	424	401	10/30/98

Citation

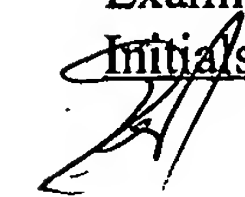




6,180,668	1/30/01	O'Lenick, Jr. et al.	514	547	6/11/99
6,545,052	4/8/03	Wohlman et al.	514	587	11/29/00

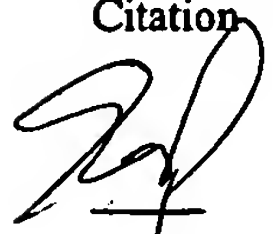
**2. Foreign Patent Documents**

Examiner Initial	Country	Document Number	Publication Number	Publication Date
	Europe	91810474.6	EP 0 466 639 B1	6/19/91
	Europe		EP 0 903 349 A2	3/24/99
	PCT		WO 96/28008	9/19/96
	Deutsche Demokratische Republic		DD 208 298 A	5/2/84

**3. Other Documents**

Examiner Initials	Author	Title, Publication, Relevant Pages, Date and Place of Publication
	Martin G. Ettlinger et al.	"The Mustard Oil of <i>Limnanthes douglasii</i> Seed, m-Methoxybenzyl Isothiocynate," Journal of the American Chemical Society, Vol. 78, No. 9, Pages 1952-1954 (1956).
	T.S. Chao et al.	"Some Synergistic Antioxidants for Synthetic Lubricants," Symposium on Synthetic and Petroleum-Based Lubricants Presented Before the Division of Petroleum Chemistry, Inc., 27(2), 362-379, American Chemical Society, Las Vegas Meeting, March 28-April 2, 1982.
	T.P. Abbott	"Oxidative Stability System in Meadowfoam," Abstract from the 89 <sup>th</sup> AOCS Annual Meeting & Expo, Chicago, Illinois, May 10-13 (1998).

Citation



M. Rechcigl, Jr.

CRC Handbook of Naturally Occurring Food Toxicants, CRC Press, Inc. (Boca Raton, Florida), Pages 15-30 (1983).

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"Isolation and Identification of (3-Methoxyphenyl) Acetonitrile as a Phytotoxin from Meadowfoam (*Limnanthes alba*) Seedmeal," Journal of Chemical Ecology, Vol. 22, No. 10, 1939-1949 (1996).

T. Johns et al.

"Anti-Reproductive and Other Medicinal Effects of *Tropaeolum Tuberosum*," Journal of Ethnopharmacology 5, 149-161 (1982).

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"Oxidative Stability Index of Vegetable Oils in Binary Mixtures with Meadowfoam Oil," Industrial Crops and Products 9, 115-123 (1999).

K. Tian et al.

"Determination of Oxidative Stability of Oils and Fats," Anal. Chem. 71, 1692-1698 (1999).

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"Isothiocyanates, Thioureas et Thiocarbamates Isoles De Pentadip landra Brazzeana," Phytochemistry 16, 1719-1721 (1977).

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"Antioxidants," Bell & Bain Ltd., Glasgow, The Oily Press, Ltd. (Dundee, Scotland, 1988), Pages 133-159.

G. Kajimoto et al.

"Changes in Organic Acid Formulation in Volatile Degradation Products During Oxidation of Oils Treated with Antioxidant," Fac. Nutr., Kobe Gakuin Univ., Kobe, Japan. Nippon Eiyo, Shokuryo Gakkaishi 51(4), 207-212 (1998).



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"S-Oxygenation of Thiourea Results in the Formation of Genotoxic Products," Environ. Mol. Mutagen. 31(4), 362-373 (1998).

## Citation



S.L. Mali et al.

"Phytochemical Oxidation of Phenyl-3-(2-Pyridyl)Thiourea by Singlet Oxygen," Asian J. Chem. 5(4), 808-812 (1993).



A. Mustafa et al.

"Reaction of Thiourea with Hydrogen Peroxide: Carbon-13 NMR Studies of an Oxidative/Reductive Bleaching Process," Text. Res. J. 62(2), 94-100 (1992).




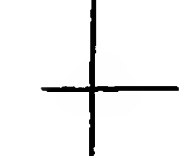


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"Uses of Meadowfoam Seed Oil™," March 9, 2000,  
<http://www.meadowfoam.com/uses/htm>.

T. Abbott et al.

"Antioxidants from Meadowfoam Stabilizes Other Oils," Abstract, Assoc. for the Adv. of Ind. Crops, October 15-17, 2000, St. Louis, MO.

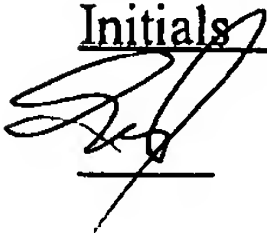
**4. Pending U.S. Patent Applications**

Examiner Initials	Application Number	Filing Date	Applicants
	U.S. Serial No. 09/840,768	April 23, 2001	Thomas P. Abbott et al.
	U.S. Serial No. 10/075,418	February 14, 2002	Thomas P. Abbott et al.
	U.S. Serial No. 10/338,313	January 8, 2003	Alan Wohlman et al.
	U.S. Serial No. 10/426,122	April 29, 2003	Thomas P. Abbott et al.

**5. Presentations**

Examiner

Initials



Relevant Information



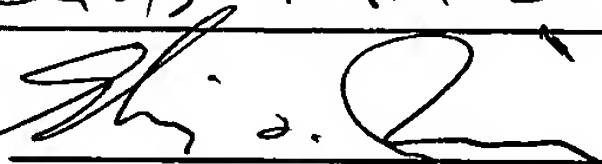
89<sup>th</sup> Am. Oil Chem. Soc.,  
May 10-13, 1998, Chicago,  
Illinois. This presentation  
discussed some of the  
compounds that are present in  
crude meadowfoam seed oil  
that do not contribute  
substantially to the oxidative  
stability of lipids or oils. It  
did not discuss any 1-(3-  
methoxybenzyl)-3-substituted  
thiourea compounds.

Assoc. for the Adv. of Ind.  
Crops, October 15-17, 2000,  
St. Louis, MO. This  
presentation identified the  
presence of 1,3-di(3-  
methoxybenzyl) thiourea in  
meadowfoam seed oil. No  
other 1-(3-  
methoxybenzyl)-3-substituted  
thiourea compounds were  
discussed.

Examiner's Name:

ELVIS O. RIZE

Examiner's Signature:



Date Considered:

5/15/05, 2005